

1. An individual respiratory gas supply device comprising a respiratory mask for supplying a subject with respiratory gas, especially during a high-altitude flight, this mask itself comprising an oro-nasal facepiece adapted for covering the mouth and nose of the subject, thereby providing a substantially leaktight junction with the face of this subject, this facepiece being connected to an oxygen flow regulator supplying the facepiece with respiratory gas from an oxygen dispenser, comprising:

a facial respirator adapted for delivering oxygen to at least one of the oro-nasal orifices of the subject without preventing inhalation of ambient air when the subject inspires, and

means of switching the dispensing of oxygen between the respiratory mask and the facial respirator, adapted for cutting off the oxygen supply of the facial respirator and dispensing oxygen to the regulator from the dispenser when the subject wears the respiratory mask.

2. The device according to claim 1 wherein the facial respirator comprises a nasal cannula.

3. The device according to claim 1 wherein the facial respirator comprises a flexible oro-nasal shell.

4. The device according to claim 1 wherein the respirator mask is adapted to be worn when the subject is already wearing the facial respirator.

5. The device according to claim 1 wherein the facial respirator is suitable for being worn under a respiratory mask.

6. The device according to claim 1 wherein the facial respirator is supplied with oxygen from the oxygen dispenser.

7. The device according to claim 6 wherein the switching means for dispensing oxygen are inserted both between the respiratory mask and the oxygen dispenser and between the facial respirator and the oxygen dispenser.
8. The device according to claim 1 wherein the facial respirator and the oxygen dispenser are suitable for enriching the air inhaled by the subject by 40% oxygen, using the facial respirator.
9. The device according to claim 8 wherein the facial respirator and the oxygen dispenser feed the subject using the facial respirator with a continuous flow.
10. The device according to claim 8 wherein the facial respirator and the oxygen dispenser supply the subject using the facial respirator with a continuous flow rate, pulsed only during the inspiratory phase of the respiratory cycle of the subject.
11. The device according to claim 8 wherein the facial respirator and the oxygen dispenser supply the subject using the facial respirator with a continuous flow rate, varying as a function of the actual inspiratory demand of the subject.